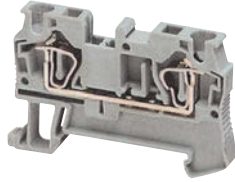
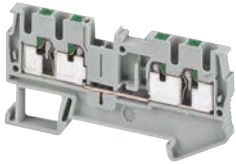




NSYTRV, p. 24-7



NSYTRR, p. 24-3



NSYTRP, p. 24-11



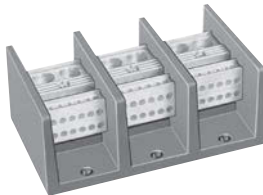
9080GR6, p. 24-15



GB2, p. 24-17



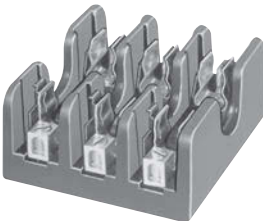
9080GCB, p. 24-17



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9080GF6, p. 24-14



9080FB, p. 24-19



DZ5, p. 24-20

Product Panorama

Terminal Blocks	24-2
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Track-Mounting Terminal Blocks and Prewired Connectors

Advantys TELEFAST™ 2	ABE7 Connection Systems	24-22
NEMA Style	Class 9080 Type G	24-13
IEC Style	Lineryg TR	24-3

Direct-Mounting Terminal Blocks

NEMA Style	Class 9080 Type GK	24-13
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Circuit Protectors

Class 9080 Type GCB	24-17
GB2	24-17

Power Distribution Blocks (Splitter Blocks)

Class 9080 Type LB	24-18
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Fuseholders

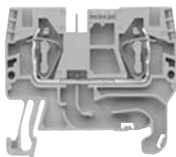

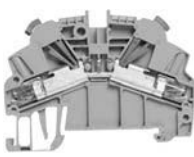
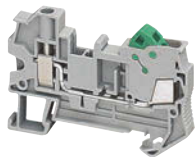



Panel Mounting	Class 9080 Type FB	24-19
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	DF	24-8

Cable Ends (Ferrules, Wire Markers)

DZ5	24-20
AZ5	24-20
AR1	24-21
AT1	24-21


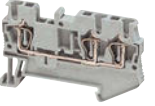








Mounting Track

9080GH (Square D)	24-16
9080MH (DIN)	24-12

					
Product Family	NSYTRV	NSYTRR	NSYTRP	NSYTRH	9080G
Type of product	IEC screw technology	IEC spring technology	IEC push-in technology	IEC hybrid (screw and insulation displacement connection)	NEMA screw technology
Mounting	DIN 3	DIN 3	DIN 3	DIN 3	DIN 3 and Square D track ▲
Maximum rated voltage (V)	600	600	600	600	600 ■
Maximum rated current per UL (A)	285	85	30	15	255
Ambient air temperature	-40 to +266 °F (-40 to 130 °C)				-40 to +257 °F (-40 to 125 °C)
Approvals ♦	 UL File E87739 CCN XCFR2	UL File E87739 CCN XCFR2	UL File E87729 CCN XCFR2	UL File E87729 CCN XCFR2	UL File E60616 CCN XCFR2
	 CSA File 25644 Class 6228-01	CSA File 25644 Class 6228-01	CSA File 25644 Class 6228-01	CSA File 25644 Class 6228-01	CSA File 025490 Class 3211 07
Color	Gray Blue Orange Red Green White Black Green/Yellow	Gray Blue Orange Green/Yellow	Gray Blue Orange Green/Yellow	Gray Green/Yellow	Natural (White) Black Blue Green Gray Orange Red Yellow Brown


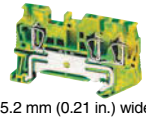
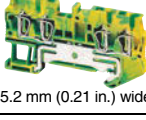
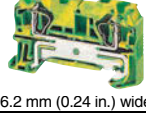
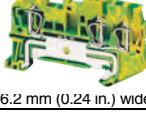
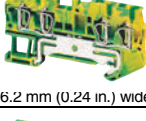
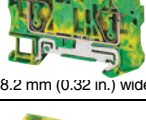
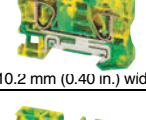
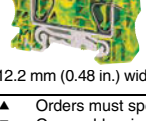
- ▲ 9080GK6 can be mounted directly to a panel or on Square D track.
- 9080GT6 is 120 V.
- ♦ Refer to catalogs 9080CT9901R7/07 and 9080CT9601 for a complete list of certifications.

Table 24.1: Spring Clip Passthrough

Description	Maximum Voltage	Maximum Current	Block				End Barrier†			
			Color	Catalog Number	\$ Price ea.	Std. Pack▲	Color	Catalog Number	\$ Price ea.	Std. Pack▲
 Two Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRR22	1.40	50	Grey	NSYTRACR22	0.60	50
			Blue	NSYTRR22BL	1.40		Blue	NSYTRACR22BL	0.60	
			Orange	NSYTRR22AR	1.40		Grey	NSYTRACR22	0.60	
 Three Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRR23	1.80	50	Grey	NSYTRACR23	0.60	50
			Blue	NSYTRR23BL	1.80		Blue	NSYTRACR23BL	0.60	
			Orange	NSYTRR23AR	1.80		Grey	NSYTRACR23	0.60	
 Four Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRR24	2.30	50	Grey	NSYTRACR24	0.60	50
			Blue	NSYTRR24BL	2.30		Blue	NSYTRACR24BL	0.60	
			Orange	NSYTRR24AR	2.30		Grey	NSYTRACR24	0.60	
 Two Terminals Solid or Stranded Copper Wire 28–10 AWG 6.2 mm (0.24 in.) wide	600 V	30 A	Grey	NSYTRR42	1.50	50	Grey	NSYTRACR42	0.63	50
			Blue	NSYTRR42BL	1.50		Grey	NSYTRACR42	0.63	
			Orange	NSYTRR42AR	1.50		Grey	NSYTRACR42	0.63	
 Three Terminals Solid or Stranded Copper Wire 28–10 AWG 6.2 mm (0.24 in.) wide	600 V	30 A	Grey	NSYTRR43	2.30	50	Grey	NSYTRACR43	0.78	50
			Blue	NSYTRR43BL	2.30		Grey	NSYTRACR43	0.78	
 Four Terminals Solid or Stranded Copper Wire 28–10 AWG 6.2 mm (0.24 in.) wide	600 V	30 A	Grey	NSYTRR44	2.90	50	Grey	NSYTRACR44	0.83	50
			Blue	NSYTRR44BL	2.90		Grey	NSYTRACR44	0.83	
 Two Terminals Solid or Stranded Copper Wire 28–8 AWG 8.2 mm (0.32 in.) wide	600 V	50 A	Grey	NSYTRR62	2.10	50	Grey	NSYTRACR62	0.83	50
			Blue	NSYTRR62BL	2.10		Grey	NSYTRACR62	0.83	
 Three Terminals Solid or Stranded Copper Wire 24–8 AWG 8.2 mm (0.32 in.) wide	600 V	50 A	Grey	NSYTRR63	3.60	50	Grey	NSYTRACR63	0.83	50
 Two Terminals Solid or Stranded Copper Wire 16–6 AWG 10.2 mm (0.40 in.) wide	600 V	66 A	Grey	NSYTRR102	2.70	50	Grey	NSYTRACRR102	0.90	50
			Blue	NSYTRR102BL	2.70		Grey	NSYTRACRR102	0.90	
 Two Terminals Solid or Stranded Copper Wire 16–4 AWG 12.2 mm (0.48 in.) wide	600 V	85 A	Grey	NSYTRR162	5.60	50	Grey	NSYTRACR162	1.20	50
			Blue	NSYTRR162BL	5.60		Grey	NSYTRACR162	1.20	

- ▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.
- These maximum current values assume the use of insulated copper conductors with 75°C temperature rating and are calculated based on NEC Article 310, Table 310-16. In most cases this value is the maximum ampacity of the wire which has the greatest current carrying capacity. The actual allowable current for a particular application depends on the size, insulation class, and other characteristics of the wire used. The UL ratings are shown. The CSA rating may be higher or lower. Refer to the catalog for CSA ratings.
- ◆ One end-barrier is required for each assembly of like blocks.

Table 24.2: Spring Clip Grounding Blocks

Description	Block				End Barrier ■			
	Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Grounding Block Two Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	Green / Yellow	NSYTRR22PE	5.10	50	Grey	NSYTRACR22	0.60	50
 Grounding Block Three Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	Green /Yellow	NSYTRR23PE	6.30	50	Grey	NSYTRACR23	0.68	50
 Grounding Block Four Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	Green /Yellow	NSYTRR24PE	7.50	50	Grey	NSYTRACR24	0.75	50
 Grounding Block Two Terminals Solid or Stranded Copper Wire 28–10 AWG 6.2 mm (0.24 in.) wide	Green /Yellow	NSYTRR42PE	6.20	50	Grey	NSYTRACR42	0.63	50
 Grounding Block Three Terminals Solid or Stranded Copper Wire 28–10 AWG 6.2 mm (0.24 in.) wide	Green /Yellow	NSYTRR43PE	7.50	50	Grey	NSYTRACR43	0.78	50
 Grounding Block Four Terminals Solid or Stranded Copper Wire 28–10 AWG 6.2 mm (0.24 in.) wide	Green /Yellow	NSYTRR44PE	9.00	50	Grey	NSYTRACR44	0.83	50
 Grounding Block Two Terminals Solid or Stranded Copper Wire 24–8 AWG 8.2 mm (0.32 in.) wide	Green / Yellow	NSYTRR62PE	6.90	50	Grey	NSYTRACR62	0.83	50
 Grounding Block Two Terminals Solid or Stranded Copper Wire 16–6 AWG 10.2 mm (0.40 in.) wide	Green /Yellow	NSYTRR102PE	7.80	50	Grey	NSYTRACR102	0.90	50
 Grounding Block Two Terminals Solid or Stranded Copper Wire 16–4 AWG 12.2 mm (0.48 in.) wide	Green /Yellow	NSYTRR162PE	9.30	50	Grey	NSYTRACR162	1.20	10

- ▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.
- One end-barrier is required for each assembly of like blocks.



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For track and accessories, see page 24-16.

Table 24.3: Spring Clip Double Deck Passthrough




Description	Maximum Voltage	Maximum Current	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Double Deck Block Four Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRR24D	2.90	50	Grey	NSYTRACRE24	0.90	50
			Blue	NSYTRR24DBL	2.90		Grey	NSYTRACRE24	0.90	
 Double Deck Block Four Terminals Solid or Stranded Copper Wire 28–10 AWG 6.2 mm (0.24 in.) wide	600 V	30 A	Grey	NSYTRR44D	4.20	50	Grey	NSYTRACRE44	0.90	50
			Blue	NSYTRR44DBL	4.20		Grey	NSYTRACRE44	0.90	
 Double Deck Block Six Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRR26T	4.70	50	Grey	NSYTRACRE26	0.90	50
			Blue	NSYTRR26TBL	4.70		Grey	NSYTRACRE26	0.90	

Table 24.4: Spring Clip Grounding Double Deck








Description	Block				End Barrier ♦			
	Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Grounding Block Four Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	Green/Yellow	NSYTRR24DPE	7.50	50	Grey	NSYTRACRE24	0.83	50
 Grounding Block Four Terminals Solid or Stranded Copper Wire 28–10 AWG 6.2 mm (0.24 in.) wide	Green/Yellow	NSYTRR44DPE	9.80	50	Grey	NSYTRACRE44	0.90	50

Table 24.5: Spring Clip Blade Isolator and Component

Description	Maximum Voltage	Maximum Current	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Blade Isolator Two Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	600 V	16 A	Grey	NSYTRR22SC	4.40	50	Grey	NSYTRACR23	0.68	50
			Orange	NSYTRR22SCAR	4.40		Grey	NSYTRACR23	0.68	
 Blade Isolator Three Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	600 V	16 A	Grey	NSYTRR23SC	5.00	50	Grey	NSYTRACR24	0.75	50
			Orange	NSYTRR23SCAR	5.00		Grey	NSYTRACR24	0.75	
 Component Carrier Two Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	300 V	16 A	Grey	NSYTRR22TB	4.10	50	Grey	NSYTRACR23	0.68	50
 Component Carrier Three Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	300 V	16 A	Grey	NSYTRR23TB	4.50	50	Grey	NSYTRACR24	0.75	50
 Blade Isolator Four Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	300 V	10 A	Grey	NSYTRR24SCD	11.60	50	Not required for this block.			

- ▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.
- These maximum current values assume the use of insulated copper conductors with 75°C temperature rating and are calculated based on NEC Article 310, Table 310-16. In most cases this value is the maximum ampacity of the wire which has the greatest current carrying capacity. The actual allowable current for a particular application depends on the size, insulation class, and other characteristics of the wire used. The UL rating are shown. The CSA rating may be higher or lower. Refer to the catalog for CSA ratings.
- ♦ One end-barrier is required for each assembly of like blocks.



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For track and accessories, see page 24-16.

Table 24.6: Miniature Spring Clip Passthrough DIN Rail Mounting



Description	Maximum Voltage	Maximum Current	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Two Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRR22M	1.10	50	Grey	NSYTRACRM22	0.50	50
			Blue	NSYTRR22MBL	1.10		Grey	NSYTRACRM22	0.50	
 Four Terminals Solid or Stranded Copper Wire 28–12 AWG 10.4 mm (0.41 in.) wide	600 V	20 A	Grey	NSYTRR24M	1.70	50	Grey	NSYTRACRM22	0.50	50
			Blue	NSYTRR24MBL	1.70		Grey	NSYTRACRM22	0.50	

Table 24.7: Miniature Spring Clip Grounding Type






Description	Block				End Barrier ♦			
	Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Grounding Block Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	Green/Yellow	NSYTRR22MPE	3.00	50	Grey	NSYTRACRM22	0.50	50

Table 24.8: Miniature Spring Clip Passthrough Direct Mounting and for Micro-Perforated Mounting Plates

Description	Maximum Voltage	Maximum Current	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Direct Mounting (Flange) Two Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRR22MF	1.60	50	Grey	NSYTRACRM22	0.50	50
			Blue	NSYTRR22MFBL	1.60		Grey	NSYTRACRM22	0.50	
			Grey with Flange★	NSYTRR22MFF	1.00		Grey with Flange★	NSYTRACRMF22	0.50	
 Direct Mounting (Flange) Four Terminals Solid or Stranded Copper Wire 28–12 AWG 10.4 mm (0.41 in.) wide	600 V	20 A	Grey	NSYTRR24MF	1.60	50	Grey	NSYTRACRM22	0.50	50
			Blue	NSYTRR24MFBL	1.60		Grey	NSYTRACRM22	0.50	
			Grey with Flange★	NSYTRR24MFF	1.00		Grey with Flange★	NSYTRACRMF22	0.50	
 For Micro-Perforated Mounting Plates Two Terminals Solid or Stranded Copper Wire 28–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRR22MP	1.00	50	Grey	NSYTRACRM22	0.50	50
			Blue	NSYTRR22MPBL	1.00		Grey	NSYTRACRM22	0.50	
 For Micro-Perforated Mounting Plates Four Terminals Solid or Stranded Copper Wire 28–12 AWG 10.4 mm (0.41 in.) wide	600 V	20 A	Grey	NSYTRR24MP	1.00	50	Grey	NSYTRACRM22	0.50	50
			Blue	NSYTRR24MBL	1.00		Grey	NSYTRACRM22	0.50	

▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.

■ These maximum current values assume the use of insulated copper conductors with 75°C temperature rating and are calculated based on NEC Article 310, Table 310-16. In most cases this value is the maximum ampacity of the wire which has the greatest current carrying capacity. The actual allowable current for a particular application depends on the size, insulation class, and other characteristics of the wire used. The UL rating are shown. The CSA rating may be higher or lower. Refer to the catalog for CSA ratings.

♦ One end-barrier is required for each assembly of like blocks.

★ Can only be used at the end of a group of terminals.



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For track and accessories, see page 24-16.

Table 24.9: Modular Fuse Holders, DF▼

	Rated Thermal Current	Type of Fuse	Composition	Standard Pack Quantity	Catalog Number	\$ Price ea.
 DFCC1V DFCC3V	30 A	Class CC	1 Pole	12	DFCC1	18.00
			2 Poles	6	DFCC2	36.00
			3 Poles	4	DFCC3	54.00
			1 Pole Δ	12	DFCC1V	22.50
			2 Poles Δ	6	DFCC2V	45.00
			3 Poles Δ	4	DFCC3V	68.00

▼ For additional blocks and information, refer to Catalog 9080CT0801.

△ With blown-fuse indicator.



File E310269
CCN IZLT

Table 24.10: Screw Type Passthrough

Description	Maximum Voltage	Maximum Current	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Two Terminals Solid or Stranded Copper Wire 26–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRV22	1.40	50	Grey	NSYTRAC22	0.62	50
			Blue	NSYTRV22BL	1.40		Blue	NSYTRAC22BL	0.62	
			Orange	NSYTRV22AR	1.40		Grey	NSYTRAC22	0.62	
 Two Terminals Solid or Stranded Copper Wire 26–10 AWG 6.2 mm (0.24 in.) wide	600 V	00 A	Grey	NSYTRV42	1.50	50	Grey	NSYTRAC22	0.62	50
			Blue	NSYTRV42BL	1.50		Blue	NSYTRAC22BL	0.62	
			Orange	NSYTRV42AR	1.50		Grey	NSYTRAC22	0.62	
			Red	NSYTRV42RD	1.50		Grey	NSYTRAC22	0.62	
			Green	NSYTRV42GN	1.50		Grey	NSYTRAC22	0.62	
			White	NSYTRV42WH	1.50		Grey	NSYTRAC22	0.62	
			Black	NSYTRV42BK	1.50		Grey	NSYTRAC22	0.62	
 Two Terminals Solid or Stranded Copper Wire 24–8 AWG 8.2 mm (0.32 in.) wide	600 V	50 A	Grey	NSYTRV62	2.10	50	Grey	NSYTRAC22	0.62	50
			Blue	NSYTRV62BL	2.10		Blue	NSYTRAC22BL	0.62	
 Two Terminals Solid or Stranded Copper Wire 20–6 AWG 10.2 mm (0.40 in.) wide	600 V	65 A	Grey	NSYTRV102	2.70	50	Grey	NSYTRAC22	0.62	50
			Blue	NSYTRV102BL	2.70		Blue	NSYTRAC22BL	0.62	
 Two Terminals Solid or Stranded Copper Wire 16–4 AWG 12.2 mm (0.48 in.) wide	600 V	85 A	Grey	NSYTRV162	5.40	50	Grey	NSYTRAC162	0.93	50
			Blue	NSYTRV162BL	5.40		Grey	NSYTRAC162	0.93	
 Two Terminals Solid or Stranded Copper Wire 14–1/0 AWG 16 mm (0.63 in.) wide	600 V	150 A	Grey	NSYTRV352	7.70	50	Not required for these blocks.			
			Blue	NSYTRV352BL	7.70		Not required for these blocks.			
 Two Terminals Solid or Stranded Copper Wire 6–1/0 AWG 20 mm (0.79 in.) wide	600 V	150 A	Grey	NSYTRV502	18.80	50	Not required for these blocks.			
			Blue	NSYTRV502BL	18.80		Not required for these blocks.			

Table 24.11: Grounding

Description	Block				End Barrier ♦			
	Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Grounding Block Solid or Stranded Copper Wire 26–12 AWG 5.2 mm (0.21 in.) wide	Green/Yellow	NSYTRV22PE	5.30	50	Grey	NSYTRAC22	0.62	50
 Grounding Block Solid or Stranded Copper Wire 26–10 AWG 6.2 mm (0.24 in.) wide	Green/Yellow	NSYTRV42PE	6.20	50	Grey	NSYTRAC22	0.62	50
 Grounding Block Solid or Stranded Copper Wire 24–8 AWG 8.2 mm (0.32 in.) wide	Green/Yellow	NSYTRV62PE	6.90	50	Grey	NSYTRAC22	0.62	50
 Grounding Block Solid or Stranded Copper Wire 20–6 AWG 10.2 mm (0.40 in.) wide	Green/Yellow	NSYTRV102PE	7.80	50	Grey	NSYTRAC22	0.62	50
 Grounding Block Solid or Stranded Copper Wire 16–4 AWG 16 mm (0.63 in.) wide	Green/Yellow	NSYTRV162PE	9.30	50	Grey	NSYTRAC162	0.93	50
 Grounding Block Solid or Stranded Copper Wire 14–1/0 AWG 16 mm (0.63 in.) wide	Green/Yellow	NSYTRV352PE	13.20	50	Not required for this block.			
 Grounding Block Solid or Stranded Copper Wire 6–1/0 AWG 20 mm (0.79 in.) wide	Green/Yellow	NSYTRV502PE	55.00	50	Not required for this block.			

- ▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.
- These maximum current values assume the use of insulated copper conductors with 75°C temperature rating and are calculated based on NEC Article 310, Table 310-16. In most cases this value is the maximum ampacity of the wire which has the greatest current carrying capacity. The actual allowable current for a particular application depends on the size, insulation class, and other characteristics of the wire used. The UL ratings are shown. The CSA rating may be higher or lower. Refer to the catalog for CSA ratings.
- ♦ One end-barrier is required for each assembly of like blocks.



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For track and accessories, see page 24-16.

Table 24.12: Passthrough, Lug/Lug and Lug/Clamp

Description			Block					Partition Cover			
			Maximum Current ■	Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
	Passthrough Solid or Stranded Copper Wire 4-3/0 AWG	Screw thread M8 Maximum Voltage-600 V	192 A	Grey	NSYTRV702	27.90	10	Not required for this block.			
20.3 mm (0.80 in.) wide											
	Lug to Lug Solid or Stranded Copper Wire 2-4/0 AWG	Screw thread M12 Maximum Voltage-600 V	230 A	Grey	NSYTRV952BB	21.30	10	Grey	NSYTRACP1	13.40	10
40 mm (1.58 in.) wide											
	Lug to Lug Solid or Stranded Copper Wire 2-4/0 AWG	Screw thread M12 Maximum Voltage-600 V	230 A	Grey	NSYTRV952BC	31.10	10	Grey	NSYTRACP1	13.40	10
40 mm (1.58 in.) wide											
	Lug to Lug Solid or Stranded Copper Wire 2-300 AWG/kcmil	Screw thread M12 Maximum Voltage-600 V	285 A	Grey	NSYTRV1052BB	54.00	10	Grey	NSYTRACP2	14.50	10
46 mm (1.81 in.) wide											

Table 24.13: Screw Type Double Deck Passthrough







Description		Maximum Voltage	Maximum Current ■	Block				End Barrier ♦			
				Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
	Double Deck, One Pole, Three Connections Solid or Stranded Copper Wire 26-10 AWG	150 V	30 A	Grey	NSYTRV43	3.60	50	Grey	NSYTRAC23	1.10	50
				Blue	NSYTRV43BL	3.60		Grey	NSYTRAC23	1.10	
6.2 mm (0.24 in.) wide											
		Double Deck, One Pole, Four Connections Solid or Stranded Copper Wire 26-10 AWG	150 V	30 A	Grey	NSYTRV44	5.10	50	Grey	NSYTRAC24	1.20
6.2 mm (0.24 in.) wide	Blue				NSYTRV44BL	5.10	Grey		NSYTRAC24	1.20	
	Double Deck, Two Poles, Four Connections Solid or Stranded Copper Wire 26-12 AWG	600 V	20 A	Grey	NSYTRV24D	3.20	50	Grey	NSYTRACE24	1.20	50
				Blue	NSYTRV24DBL	3.20		Grey	NSYTRACE24	1.20	
5.2 mm (0.21 in.) wide											
	Double Deck, Two Poles, Four Connections Solid or Stranded Copper Wire 26-10 AWG	600 V	30 A	Grey	NSYTRV44D	5.10	50	Grey	NSYTRACE24	1.20	50
				Blue	NSYTRV44DBL	5.10		Grey	NSYTRACE24	1.20	
6.2 mm (0.24 in.) wide											
	Triple Deck, Three Poles, Six Connections Solid or Stranded Copper Wire 26-10 AWG	600 V	20 A	Grey	NSYTRV26T	8.60	50	Grey	NSYTRACE26	1.20	50
5.2 mm (0.21 in.) wide											

Table 24.14: Screw Type Grounding Double Deck

Description		Block				End Barrier ♦			
		Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
	Grounding Block, One Pole, Three Connections Solid or Stranded Copper Wire 26-12 AWG	Green/Yellow	NSYTRV43PE	7.50	50	Grey	NSYTRAC23	0.83	50
6.2 mm (0.24 in.) wide									
	Grounding Block, One Pole, Four Connections Solid or Stranded Copper Wire 26-12 AWG	Green/Yellow	NSYTRV44PE	12.20	50	Grey	NSYTRAC24	1.20	50
6.2 mm (0.24 in.) wide									
	Grounding Block, One Pole, Four Connections Solid or Stranded Copper Wire 26-12 AWG	Green/Yellow	NSYTRV24DPE	14.00	50	Grey	NSYTRACE24	1.20	50
5.2 mm (0.21 in.) wide									
	Grounding Block, One Pole, Four Connections Solid or Stranded Copper Wire 26-10 AWG	Green/Yellow	NSYTRV44DPE	18.60	50	Grey	NSYTRACE24	1.20	50
6.2 mm (0.24 in.) wide									

▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.

■ These maximum current values assume the use of insulated copper conductors with 75°C temperature rating and are calculated based on NEC Article 310, Table 310-16. In most cases this value is the maximum ampacity of the wire which has the greatest current carrying capacity. The actual allowable current for a particular application depends on the size, insulation class, and other characteristics of the wire used. The UL ratings are shown. The CSA rating may be higher or lower. Refer to the catalog for CSA ratings.

♦ One end-barrier is required for each assembly of like blocks.



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Table 24.15: Screw Type Blade Isolator



Description	Maximum Voltage	Maximum Current ■	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Blade Isolator Two Terminals Solid or Stranded Copper Wire 26–10 AWG 6.2 mm (0.24 in.) wide	600 V	16 A	Grey	NSYTRV42SC	7.10	50	Not required for this block.			
			Grey with Test Points	NSYTRV42ST	7.10					
			Orange with Test Points	NSYTRV42STAR	7.10					
 Blade Isolator Double Deck Four Terminals Solid or Stranded Copper Wire 26–10 AWG 6.2 mm (0.24 in.) wide	300 V	30 A	Grey	NSYTRV42SCD	9.20	50	Grey	NSYTRACRE24	0.83	50

Table 24.16: Screw Type Component Carrier







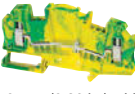
Description	Maximum Voltage	Maximum Current ■	Block				Removable Carriers		Description	\$ Price ea.	Std. Pack ▲
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Catalog Number				
 Component Carrier Two Terminals Solid or Stranded Copper Wire 26–10 AWG 6.2 mm (0.24 in.) wide	600 V	16 A	Grey	NSYTRV42TB	3.90	50	NSYTRASF520	For fuse 5x2 mm	5.50	10	
							NSYTRASF520M	For fuse 5x20 mm 110–250 V LED	20.30	10	
							NSYTRASF520B	For fuse 5x20 mm 12–30 V LED	20.30	10	
							NSYTRASV1	For component	6.20	10	
							NSYTRASV2	With 1N4007 Diode	15.60	10	

Table 24.17: Fused Terminal Blocks

Description	Maximum Voltage	Maximum Current ■	Block				End Barrier ♦									
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲						
 Fuse Block For G-fuse cartridge 5x20 mm Solid or Stranded Copper Wire 26–12 AWG Maximum Voltage 300 V Maximum Current 20 A ■ 12 mm (0.47 in.) wide	Without Indicator Lamp	Black	NSYTRV162SF	10.80	50	Not required for this block.										
 Lever-Type Fuse For G-fuse cartridge 5x20 mm Solid or Stranded Copper Wire 26–10 AWG Maximum Voltage 600 V Maximum Current 12 A ■ 8.2 mm (0.32 in.) wide										Without Indicator Lamp	Black	NSYTRV42SF5	7.80	50	Not required for this block.	
										With Light Indicator, 12–30 V AC/DC★	Black	NSYTRV42SF5LD	16.10	50		
 Lever-Type Fuse For G-fuse cartridge 6.3x32 mm Solid or Stranded Copper Wire 26–8 AWG Maximum Voltage 600 V Maximum Current 10 A ■ 10.2 mm (0.40 in.) wide	With Light Indicator, 110–250 V AC/DC★	Black	NSYTRV42SF5LA	16.10	50	Not required for this block.										
	Without Indicator Lamp	Black	NSYTRV42SF6	14.40	50											
	With Light Indicator, 12–30 V AC/DC★	Black	NSYTRV42SF6LD	18.60	50											
	With Light Indicator, 110–250 V AC/DC★	Black	NSYTRV42SF6LA	18.60	50											

These measuring transducer terminal blocks with screw connection technology are characterized by easy operation and clarity. All switching statuses are clearly visible. Due to the extensive range of flexible accessories, costs and time are saved when executing transducer test circuit tasks.

Table 24.18: Measuring and Grounding Terminal Blocks

Description	Maximum Voltage	Maximum Current ■	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Blade Isolator Double Deck Solid or Stranded Copper Wire 24–8 AWG 8.2 mm (0.32 in.) wide	600 V	30 A	Grey	NSYTRV62TTD	13.00	50	NSYTRACT22			
 Passthrough Solid or Stranded Copper Wire 24–8 AWG 8.2 mm (0.32 in.) wide	600 V	30 A	Grey	NSYTRV62TT	13.00	50	NSYTRACT22			
 Grounding Block Solid or Stranded Copper Wire 24–8 AWG 8.2 mm (0.32 in.) wide	N/A	N/A	Green/Yellow	NSYTRV62TTPE	19.00	50	NSYTRACT22			

- ▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.
- These maximum current values assume the use of insulated copper conductors with 75°C temperature rating and are calculated based on NEC Article 310, Table 310-16. In most cases this value is the maximum ampacity of the wire which has the greatest current carrying capacity. The actual allowable current for a particular application depends on the size, insulation class, and other characteristics of the wire used. The UL rating are shown. The CSA rating may be higher or lower. Refer to the catalog for CSA ratings.
- ♦ One end-barrier is required for each assembly of like blocks.
- ★ When voltage is applied within the minimum and maximum limits, the LED will illuminate.

Table 24.19: Screw Type Miniature Passthrough



Description	Maximum Voltage	Maximum Current	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Two Terminals Solid or Stranded Copper Wire 24–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRV22M	1.50	50	Grey	NSYTRACM22	0.65	50
			Blue	NSYTRV22MBL	1.50		Grey	NSYTRACM22	0.65	
 Two Terminals Solid or Stranded Copper Wire 24–10 AWG 6.2 mm (0.24 in.) wide	600 V	30 A	Grey	NSYTRV42M	1.70	50	Grey	NSYTRACM22	0.65	50
			Blue	NSYTRV42MBL	1.70		Grey	NSYTRACM22	0.65	

Table 24.20: Fused Terminal Blocks



Description	Block				End Barrier ♦			
	Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Grounding Block Two Terminals Solid or Stranded Copper Wire 24–12 AWG 5.2 mm (0.21 in.) wide	Green/Yellow	NSYTRV22MPE	4.40	50	Grey	NSYTRACM22	0.65	50
 Grounding Block Two Terminals Solid or Stranded Copper Wire 24–10 AWG 6.2 mm (0.24 in.) wide	Green/Yellow	NSYTRV42MPE	5.00	50	Grey	NSYTRACM22	0.65	50

Table 24.21: Hybrid Blocks—Screw and IDC Passthrough


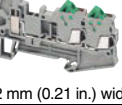
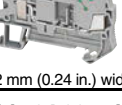
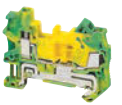
Description	Maximum Voltage	Maximum Current	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Two Terminals Solid or Stranded Copper Wire 24–16 AWG 5.2 mm (0.21 in.) wide	600 V	10 A	Grey	NSYTRH12	1.50	50	Grey	NSYTRACH12	0.65	50
 Three Terminals Solid or Stranded Copper Wire 24–16 AWG 5.2 mm (0.21 in.) wide	600 V	10 A	Grey	NSYTRH13	1.80	50	Grey	NSYTRACH13	0.70	50
 Three Terminals Solid or Stranded Copper Wire 20–14 AWG 6.2 mm (0.24 in.) wide	600 V	15 A	Grey	NSYTRH22	1.60	50	Grey	NSYTRACH22	0.80	50

Table 24.22: Hybrid Grounding Block—Screw and IDC Passthrough

Description	Block				End Barrier ♦			
	Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Grounding Block Solid or Stranded Copper Wire 24–16 AWG 5.2 mm (0.21 in.) wide	Green/Yellow	NSYTRH12PE	5.30	50	Grey	NSYTRACH12	0.65	50

▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.

■ These maximum current values assume the use of insulated copper conductors with 75°C temperature rating and are calculated based on NEC Article 310, Table 310-16. In most cases this value is the maximum ampacity of the wire which has the greatest current carrying capacity. The actual allowable current for a particular application depends on the size, insulation class, and other characteristics of the wire used. The UL rating are shown. The CSA rating may be higher or lower. Refer to the catalog for CSA ratings.

♦ One end-barrier is required for each assembly of like blocks.



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For track and accessories, see page 24-16.

Table 24.23: Push-in Passthrough Blocks

Description	Maximum Voltage	Maximum Current	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Two Terminals Solid or Stranded Copper Wire 24–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRP22	1.60	50	Grey	NSYTRACR22	0.60	50
			Blue	NSYTRP22BL	1.60		Blue	NSYTRACR22BL	0.60	
			Orange	NSYTRP22AR	1.60		Grey	NSYTRACR22	0.60	
 Three Terminals Solid or Stranded Copper Wire 24–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRP23	1.80	50	Grey	NSYTRACR23	0.68	50
			Blue	NSYTRP23BL	1.80		Blue	NSYTRACR23	0.68	
			Orange	NSYTRP23AR	1.80		Grey	NSYTRACR23	0.68	
 Four Terminals Solid or Stranded Copper Wire 24–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRP24	2.50	50	Grey	NSYTRACR24	0.75	50
			Blue	NSYTRP24BL	2.70		Grey	NSYTRACR24BL	0.75	
 Two Terminals Solid or Stranded Copper Wire 24–10 AWG 6.2 mm (0.24 in.) wide	600 V	30 A	Grey	NSYTRP42	1.80	50	Grey	NSYTRACR42	0.63	50
			Blue	NSYTRP42BL	1.80		Grey	NSYTRACR42	0.63	
 Three Terminals Solid or Stranded Copper Wire 24–10 AWG 6.2 mm (0.24 in.) wide	600 V	30 A	Grey	NSYTRP43	2.10	50	Grey	NSYTRACP43	0.60	50
			Blue	NSYTRP43BL	2.10		Grey	NSYTRACP43	0.60	
 Four Terminals Solid or Stranded Copper Wire 24–10 AWG 6.2 mm (0.24 in.) wide	600 V	30 A	Grey	NSYTRP44	2.70	50	Grey	NSYTRACP44	0.63	50
			Blue	NSYTRP44BL	2.70		Grey	NSYTRACP44	0.63	

Table 24.24: Push-in Grounding Blocks

Description	Block				End Barrier ♦			
	Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Grounding Block Two Terminals Solid or Stranded Copper Wire 24–12 AWG 5.2 mm (0.21 in.) wide	Green/Yellow	NSYTRP22PE	0.63	50	Grey	NSYTRACR22	0.60	50
 Grounding Block Three Terminals Solid or Stranded Copper Wire 24–12 AWG 5.2 mm (0.21 in.) wide	Green/Yellow	NSYTRP23PE	6.00	50	Grey	NSYTRACR23	0.68	50
 Grounding Block Four Terminals Solid or Stranded Copper Wire 24–12 AWG 5.2 mm (0.21 in.) wide	Green/Yellow	NSYTRP24PE	7.70	50	Grey	NSYTRACR24	0.68	50
 Grounding Block Two Terminals Solid or Stranded Copper Wire 24–10 AWG 6.2 mm (0.24 in.) wide	Green/Yellow	NSYTRP42PE	5.80	50	Grey	NSYTRACR42	0.63	50
 Grounding Block Three Terminals Solid or Stranded Copper Wire 24–10 AWG 6.2 mm (0.24 in.) wide	Green/Yellow	NSYTRP43PE	6.30	50	Grey	NSYTRACP43	0.60	50
 Grounding Block Four Terminals Solid or Stranded Copper Wire 24–10 AWG 6.2 mm (0.24 in.) wide	Green/Yellow	NSYTRP44PE	8.00	50	Grey	NSYTRACP44	0.63	50

- ▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.
- These maximum current values assume the use of insulated copper conductors with 75°C temperature rating and are calculated based on NEC Article 310, Table 310-16. In most cases this value is the maximum ampacity of the wire which has the greatest current carrying capacity. The actual allowable current for a particular application depends on the size, insulation class, and other characteristics of the wire used. The UL ratings are shown. The CSA rating may be higher or lower. Refer to the catalog for CSA ratings.
- ♦ One end-barrier is required for each assembly of like blocks.



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For track and accessories, see page 24-16.

Table 24.25: Push-in Double Deck Passthrough and Grounding Terminal Blocks



Description	Maximum Voltage	Maximum Current ■	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Double Deck Passthrough Four Terminals Solid or Stranded Copper Wire 26–12 AWG 5.2 mm (0.21 in.) wide	600 V	20 A	Grey	NSYTRP24D	6.50	50	Grey	NSYTRACRE24	0.83	50
 Double Deck Grounding Block Four Terminals Solid or Stranded Copper Wire 26–12 AWG 5.2 mm (0.21 in.) wide	N/A	N/A	Green/Yellow	NSYTRP24DPE	10.70	50	Grey	NSYTRACRE24	0.83	50

Table 24.26: Push-in Blade Isolator





Description	Maximum Voltage	Maximum Current ■	Block				End Barrier ♦			
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Color	Catalog Number	\$ Price ea.	Std. Pack ▲
 Blade Isolator Two Terminals Solid or Stranded Copper Wire 26–12 AWG 5.2 mm (0.21 in.) wide	300 V	20 A	Grey	NSYTRP22SC	4.70	50	Grey	NSYTRACPK22	0.80	50
 Blade Isolator Three Terminals Solid or Stranded Copper Wire 26–12 AWG 5.2 mm (0.21 in.) wide	300 V	20 A	Grey	NSYTRP23SC	5.30	50	Grey	NSYTRACPK23	0.84	50
 Blade Isolator Four Terminals Solid or Stranded Copper Wire 26–12 AWG 5.2 mm (0.21 in.) wide	300 V	20 A	Grey	NSYTRP24SC	6.30	50	Grey	NSYTRACPK24	0.84	50

Table 24.27: Push-in Component Carrier

Description	Maximum Voltage	Maximum Current ■	Block				Removable Carriers		Description	\$ Price ea.	Std. Pack ▲
			Color	Catalog Number	\$ Price ea.	Std. Pack ▲	Catalog Number				
 Component Carrier Two Terminals Solid or Stranded Copper Wire 26–12 AWG 5.2 mm (0.21 in.) wide	300 V	20 A	Grey	NSYTRP22TB	3.10	50	NSYTRASF520	For fuse 5x2 mm	5.50	10	
							NSYTRASF520M	For fuse 5x20 mm 110–250 V LED	20.30	10	
							NSYTRASF520B	For fuse 5x20 mm 12–30 V LED	20.30	10	
							NSYTRASV1	For component	6.20	10	
							NSYTRASV2	With 1N4007 Diode	15.60	10	
 Component Carrier Two Terminals Solid or Stranded Copper Wire 24–12 AWG 6.2 mm (0.24 in.) wide	300 V	20 A	Grey	NSYTRP42TB	3.20	50	NSYTRASF520	For fuse 5x2 mm	5.50	10	
							NSYTRASF520M	For fuse 5x20 mm 110–250 V LED	20.30	10	
							NSYTRASF520B	For fuse 5x20 mm 12–30 V LED	20.30	10	
							NSYTRASV1	For component	6.20	10	
							NSYTRASV2	With 1N4007 Diode	15.60	10	







- ▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.
- These maximum current values assume the use of insulated copper conductors with 75°C temperature rating and are calculated based on NEC Article 310, Table 310-16. In most cases this value is the maximum ampacity of the wire which has the greatest current carrying capacity. The actual allowable current for a particular application depends on the size, insulation class, and other characteristics of the wire used. The UL rating are shown. The CSA rating may be higher or lower. Refer to the catalog for CSA ratings.
- ♦ One end-barrier is required for each assembly of like blocks.








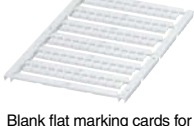
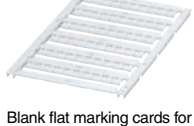
For track and accessories, see page 24-16.

Table 24.28: Markers

Description	Marking	Catalog Number	\$ Price ea.	Std Pack▲
 Black horizontal markings on white background For 5.2 mm (0.21 in.) wide blocks Lateral sides for NSYTRV terminal blocks Central shaft for NSYTRR / NSYTRP / NSYTRH terminal blocks	1 to 10	NSYTRAB510	0.82	10
	11 to 20	NSYTRAB520	0.82	10
	21 to 30	NSYTRAB530	0.82	10
	31 to 40	NSYTRAB540	0.82	10
	41 to 50	NSYTRAB550	0.82	10
	51 to 60	NSYTRAB560	0.82	10
	61 to 70	NSYTRAB570	0.82	10
	71 to 80	NSYTRAB580	0.82	10
	81 to 90	NSYTRAB590	0.82	10
	91 to 100	NSYTRAB5100	0.82	10
	1 to 100	NSYTRAB51100	8.20	1
 Black horizontal markings on white background For 6.2 mm (0.24 in.) wide blocks Lateral sides for NSYTRV terminal blocks Central shaft for NSYTRR / NSYTRP / NSYTRH terminal blocks	L1, L2, L3, N, PE	NSYTRAB5L1N	1.90	10
	1 to 10	NSYTRAB610	0.85	10
	11 to 20	NSYTRAB620	0.85	10
	21 to 30	NSYTRAB630	0.85	10
	31 to 40	NSYTRAB640	0.85	10
	41 to 50	NSYTRAB650	0.85	10
	51 to 60	NSYTRAB660	0.85	10
	61 to 70	NSYTRAB670	0.85	10
	71 to 80	NSYTRAB680	0.85	10
	81 to 90	NSYTRAB690	0.85	10
	91 to 100	NSYTRAB6100	0.85	10
1 to 100	NSYTRAB61100	8.50	1	
 Black horizontal markings on white background For 8.2 mm (0.32 in.) wide blocks Lateral sides for NSYTRV terminal blocks Central shaft for NSYTRR / NSYTRP / NSYTRH terminal blocks	L1, L2, L3, N, PE	NSYTRAB6L1N	3.00	10
	1 to 10	NSYTRAB810	0.85	10
	11 to 20	NSYTRAB820	0.85	10
	21 to 30	NSYTRAB830	0.85	10
	31 to 40	NSYTRAB840	0.85	10
	41 to 50	NSYTRAB850	0.85	10
	51 to 60	NSYTRAB860	0.85	10
	61 to 70	NSYTRAB870	0.85	10
	71 to 80	NSYTRAB880	0.85	10
	81 to 90	NSYTRAB890	0.85	10
	91 to 100	NSYTRAB8100	0.85	10
1 to 100	—	—	—	
 Flat markers Black horizontal markings on white background For >=10.2 mm (0.40 in.) wide blocks▲ Lateral sides for NSYTRV terminal blocks Central shaft for NSYTRR / NSYTRP / NSYTRH terminal block	L1, L2, L3, N, PE	—	—	—
	1 to 10	NSYTRAB1010	0.92	10
	11 to 20	NSYTRAB1020	0.92	10
	21 to 30	NSYTRAB1030	0.92	10
	31 to 40	NSYTRAB1040	0.92	10
	41 to 50	NSYTRAB1050	0.92	10
	51 to 60	NSYTRAB1060	0.92	10
	61 to 70	NSYTRAB1070	0.92	10
	71 to 80	NSYTRAB1080	0.92	10
	81 to 90	NSYTRAB1090	0.92	10
	91 to 100	NSYTRAB10100	0.92	10
1 to 100	—	—	—	
 Flat markers Black horizontal markings on white background For 5.2 mm (0.21 in.) wide blocks Lateral sides for NSYTRV terminal blocks Central shaft for NSYTRR / NSYTRP / NSYTRH terminal blocks	L1, L2, L3, N, PE	—	—	—
	1 to 10	NSYTRABF510	0.85	10
	11 to 20	NSYTRABF520	0.85	10
	21 to 30	NSYTRABF530	0.85	10
	31 to 40	NSYTRABF540	0.85	10
	41 to 50	NSYTRABF550	0.85	10
	51 to 60	—	—	—
	61 to 70	—	—	—
	71 to 80	—	—	—
	81 to 90	—	—	—
	91 to 100	—	—	—
1 to 100	—	—	—	
 Flat markers Black horizontal markings on white background For 6.2 mm (0.24 in.) wide blocks Lateral sides for NSYTRV terminal blocks Central shaft for NSYTRR / NSYTRP / NSYTRH terminal block	L1, L2, L3, N, PE	—	—	—
	1 to 10	NSYTRABF610	0.89	10
	11 to 20	NSYTRABF620	0.85	10
	21 to 30	NSYTRABF630	0.85	10
	31 to 40	NSYTRABF640	0.85	10
	41 to 50	NSYTRABF650	0.85	10
	51 to 60	—	—	—
	61 to 70	—	—	—
	71 to 80	—	—	—
	81 to 90	—	—	—
	91 to 100	—	—	—
1 to 100	—	—	—	

▲ For blocks 12.2 mm (0.48 in.) or wider, the strip must be broken and the individual marking characters used.

Table 24.29: Blank Markers

Description	Catalog Number	\$ Price ea.	Std. Pack
 Blank marking cards for 5.2 mm (0.21 in.) wide blocks	NSYTRABPV5	5.60	10
 Blank marking cards for 6.2 mm (0.24 in.) wide blocks	NSYTRABPV6	4.70	10
 Blank marking cards for 8.2 mm (0.32 in.) wide blocks▲	NSYTRABPV8	3.30	10
 Blank flat marking cards for 5.2 mm (0.21 in.) wide blocks	NSYTRABFPV5	5.60	10
 Blank flat marking cards for 6.2 mm (0.24 in.) wide blocks	NSYTRABFPV6	4.70	10

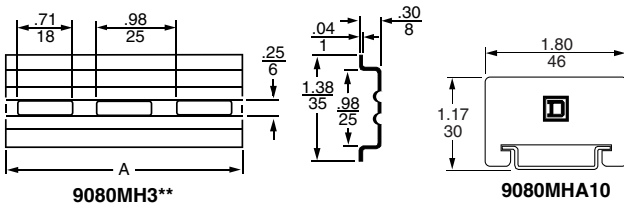
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Table 24.30: DIN 3 Track – Various Lengths

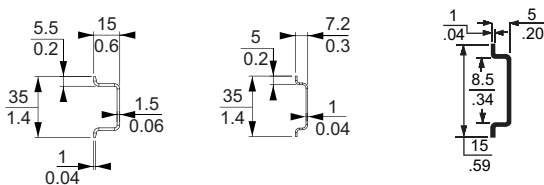
Description	Length		Class 9080 Type	\$ Price ea.	Std. ▲ Pack
	IN	mm			
Symmetrical rail 35 x 7.5 mm (1.38 in. x 0.295 in.) in compliance with EN 50022 standard (DIN 46277-3).	3	0.08	MH203	3.20	10
	4	0.10	MH204	3.60	
	5	0.13	MH205	4.10	
	6	0.15	MH206	4.70	
	7	0.18	MH207	5.10	
	8	0.20	MH208	5.60	
	9	0.23	MH209	6.20	
	10	0.25	MH210	6.80	
	11	0.28	MH211	7.20	
	12	0.30	MH212	7.80	
	13	0.33	MH213	8.30	
	14	0.36	MH214	8.70	
	15	0.38	MH215	9.30	
	16	0.41	MH216	9.80	
	17	0.42	MH217	10.20	
	18	0.46	MH218	10.80	
	19.68	500	MH220	11.60	
	39.37	1000	MH239	19.70	
	78.74	2000	MH279	29.60	
	Galvanized steel, no mounting holes	3	0.08	MH303	
4		0.10	MH304	3.90	
5		0.13	MH305	4.70	
6		0.15	MH306	5.10	
7		0.18	MH307	5.70	
8		0.20	MH308	6.20	
9		0.23	MH309	6.90	
10		0.25	MH310	7.40	
11		0.28	MH311	8.10	
12		0.30	MH312	8.60	
13		0.33	MH313	9.20	
14		0.36	MH314	9.60	
15		0.38	MH315	10.20	
16		0.41	MH316	10.80	
17		0.42	MH317	11.60	
18		0.46	MH318	12.00	
19.68		500	MH320	13.10	
39.37		1000	MH339	23.00	
78.74		2000	MH379	32.70	
Galvanized steel, prepunched		3	0.08	MH303	3.50
	4	0.10	MH304	3.90	
High rise track	39.37	1000	MH439	27.90	2

▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.

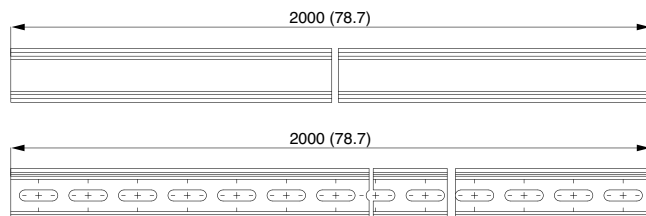
Dimensions



Dual Dimensions: Inches / Millimeters



NSYSDR200D and NSYSDR200 / NSYSDR200BD and NSYSDR200B / NSYSTRAD155



Angle bracket kit	Catalog Number	\$ Price ea.	Std. ▲ Pack
For mounting 9080GH or MH track to a panel at 45° angle. Includes 2 brackets and hardware for mounting the track to the brackets.	9080MH82	7.20	1

Table 24.31: DIN 3 Track—2 meter length

Description	Length		Catalog Number	\$ Price ea.	Std. Pack ▲
	IN	mm			
DIN 3					
Symmetrical rail 35x15 mm depth 1.5 mm thick galvanized steel Prepunched	78.74	2000	NSYSDR200D	11.16	20
Symmetrical rail 35x15 mm depth 1.5 mm thick galvanized steel No mounting holes	78.74	2000	NSYSDR200	11.16	20
Symmetrical rail 35x7.2 mm depth 1 mm thick galvanized steel Prepunched	78.74	2000	NSYSDR200BD	7.52	20
Symmetrical rail 35x7.2 mm depth 1 mm thick galvanized steel No mounting holes	78.74	2000	NSYSDR200B	7.52	20
DIN 2					
Symmetrical rail 15x5 mm depth 1 mm thick galvanized steel Prepunched	78.74	2000	NSYTRADR155	15.00	5
End Clamps					
Plastic clip-on end clamp for 35 mm DIN 3 track	0.21	5.2	NSYTRAAB35	1.50	50
Plastic clip-on end clamp with screw for 35 mm DIN 3 track	0.37	9.5	NSYTRAABV35	2.40	50
Plastic clip-on end clamp for 15 mm DIN 2 track	0.21	5.2	NSYTRAAB15	1.50	50
Polycarbonate end clamp for 35 mm DIN 3 track	0.31	8	9080MHA10	2.40	50
End Plate for Direct Mounting Miniature Blocks					
Plastic end plate	0.09	2.2	NSYTRACRM22	0.50	50
End Plate for Direct Mounting Miniature Blocks with Flange					
Plastic end plate with flange	0.09	2.2	NSYTRACRMF22	0.50	50

▲ Orders must specify the standard package quantity (Std. Pack) or multiples of that quantity.
■ Can only be used at the end of a group of terminals.

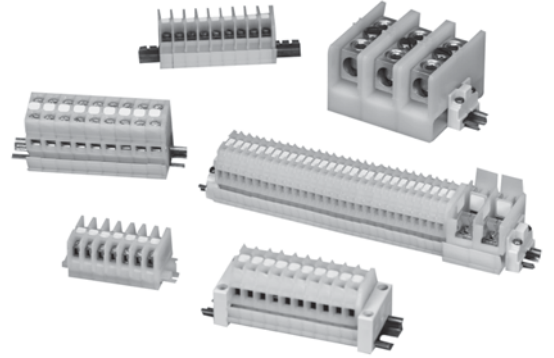
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Standard Terminal Block Assemblies

The assemblies listed in the table below consist of 6 ft (two 3 ft lengths packaged together) of terminal blocks. The terminal blocks are mounted on snap-off mounting track, which can be easily broken every 5/16 in. Every tenth terminal block is marked to aid in counting off the proper number of terminal blocks. After adding the proper end barrier and a slip-in end clamp to the blocks that were broken off, the custom assembly is ready for installation.

Table 24.32: Standard Terminal Block Assemblies

Description	Type	\$ Price
Assembly of 188 Type GA6	GA6188BC	530.00
Assembly of 204 Type GR6	GR6204BC	674.00
Assembly of 94 Type GF6	GF694BC	1311.00
Assembly of 296 Type GM6	GM6296BC	830.00
Assembly of 188 Type GP6	GP6188BC	653.00



Custom Terminal Block Assemblies

Order an assembly built as required for the application. As standard, custom assemblies use 9080GH mounting track with screw on end clamps. Other options are available from the table below.

One terminal block type: The number of blocks in the assembly is added to the end of the catalog number of the desired block. Example: an assembly of 25 9080GR6 blocks would be **9080GR625**.

More than one terminal block type in an assembly: A detailed drawing or sketch of the desired assembly must accompany the order.

Table 24.34: Custom Terminal Block Assemblies

Option	Suffix	Example
Substitute slip-in end clamps	C	9080GR625C
Substitute snap-off channel	B	9080GR625BC ▲
For direct mount assembly of 9080GK6 blocks	D	9080GK67D
Add a blank vinyl marking strip	M	9080GR625M
Add pre-marked (1-25 only) marking strip	MPO	9080GR625MPO
Mount on 35 mm DIN 3 track instead of 9080GH track	T	9080GR625T

▲ The 9080GH10 screw-on end clamp is **not** recommended for use with snap-off channel. It is recommended that the 9080GH11 slip-in end clamp be used. Therefore, when the suffix **B** is used, it should be followed by the suffix **C**.

Table 24.33: Custom Assembly Pricing

Block Type	\$ Price Per Block/Terminal	Block Type	\$ Price Per Block/Terminal
GA6	2.80	GK6 channel mounted	3.30
GC6	6.10	GK6 direct mounted	2.70
GCB01-15	68.00	GM6	2.90
GCB20-150	84.00	GP6	3.50
GD6	12.20	GR6	3.30
GE6	31.80	GR6T	3.80
GF6	14.00	GS6	3.80
GG6	14.60	Blank vinyl marking strip	0.05
		Pre-numbered (1-25 only)	0.24

Price per block from Table 24.33 _____
 Number of blocks in the assembly x _____
 Subtotal (multiply # of blocks by price of blocks) _____

Initial Charge for factory assemblies _____
 All except 9080GK6 direct mount (**\$7.00**) _____
 OR for 9080GK6 direct mount (**\$3.60**) _____

Vinyl Marking Strips _____
 Adder for Suffix **M**—**\$0.05** per block _____
 OR adder for Suffix **MPO**—**\$0.24** per block _____

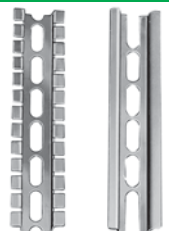

Deduct for Suffix **C**—**\$2.40** _____
 Total everything from Subtotal down _____
 Apply the following rounding rules to the total obtained:
\$1.00 through \$50.00 _____
 over **\$50.00** _____

Round to the nearest dime _____
 Round to the nearest dollar _____

Table 24.35: How to Order











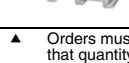



To Order Specify	Catalog Number	
• Class Number	Class	Type
• Type Number	9080	GA612

Table 24.36: 3/4 in. Mounting Track

	Style	Length (in.)	Type	\$ Price ea.	Std. Pack ▲		
 Snap-Off Track Standard Track	Standard Track	3	GH103	2.40	5		
		4	GH104	2.40	5		
		5	GH105	2.60	5		
		6	GH106	2.60	5		
		7	GH107	2.60	5		
		8	GH108	3.00	5		
		9	GH109	3.00	5		
		10	GH110	3.30	5		
		11	GH111	3.30	5		
		12	GH112	3.50	5		
		13	GH113	3.50	5		
		14	GH114	3.80	5		
		15	GH115	3.90	5		
		16	GH116	4.20	5		
		17	GH117	4.40	5		
		 High Rise	Snap-Off Track	36	GH236	11.70	20
				48	GH248	15.20	20
72	GH272			22.70	20		
High Rise	36			GH336	29.00	2	

Note: For additional track and appropriate end clamps, see page 24-12.

Table 24.37: Accessories

Description	Type	\$ Price ea.	Std. Pack ▲
End Clamps			
 Screw-on End Clamp (Not recommended for use on snap-off mounting track)	GH10	2.40	50
 Slip-in End Clamp (Not for use with 9080 GE6, GK6 blocks)	GH11	.63	50
Jumpers			
 2-pole jumper for GM6	GH700	.59	20
 6-pole jumper for GM6	GH710	1.20	10
 2-pole jumper for GK6, GR6	GH72	.62	20
 6-pole jumper for GK6, GR6	GH73	1.80	10
 2-pole jumper for GC6	GH74	2.30	10
 6-pole jumper for GC6	GH75	4.30	10
 2-pole jumper for GD6	GH76	3.20	10
 6-pole jumper for GD6	GH77	8.70	10
 2-pole jumper for GA6, GP6	GH78	1.20	10
 6-pole jumper for GA6, GP6	GH79	2.00	10
Fanning Strip			
 Snap-together fanning strip section for GA6 blocks	GH51	3.00	10
 Snap-together fanning strip section for GK6, GR6 blocks	GH52	3.30	10

▲ Orders must specify the standard package quantity or multiples of that quantity.

Table 24.38: Marking and Additional Accessories


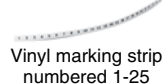








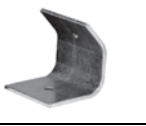

Description	Type	\$ Price ea.	Std. Pack ▲
 25 ft blank vinyl marking strip	GH220	11.90	1
 Vinyl marking strip numbered 1-25	For GK6, GR6	GH21	4.40 5
	For GA6, GP6	GH22	4.40 5
	For GM6	GH230	4.40 5
 Blank pin-feed marking tabs—6 x 20 (total 120) marking tabs for GD6, GR6, and GT6 blocks	GH200	1.70	20
 Pre-marked 01 to 50 (2 sets) plus 20 Various marking tabs (total 120 marking tabs) for GD6, GR6, and GT6 blocks	GH210	13.10	5
 Marking pen with permanent, fine line black ink	GH40	8.00	12
 Marking strip end plug for GK6, GR6, GM6, GA6, GP6, GC6, GD6, GE6, and GT6 blocks	GH60	.39	50
 Transition barrier between GK6 and all other G or K blocks	GH61	.98	50
 Cover for GR6 or GR6T blocks	GH62	.98	50
 Banana test plug for GR6T block	GH90	7.40	10
 Test plug adapter for GR6T block (included as standard with GR6T)	GH91	1.20	50
 Angle bracket kit—for mounting 9080GH or MH track to panel at 45° angle. Includes 2 brackets and hardware for mounting the track to the brackets	MH82	7.20	1
 Polycarbonate end clamp for 35 mm DIN 3 track, 8 mm (0.31 in.) wide	MHA10	2.40	50

Table 24.39: How to Order

To Order Specify	Catalog Number	
• Class Number	Class	Type
• Type Number	9080	GH10

Table 24.40: 9080GCB Thermal-Magnetic Circuit Protectors



GCB100

Maximum Current (A)	Internal Resistance $\frac{3}{4}$	Maximum Voltage	Catalog Number▲	\$ Price	
0.1	133	250 Vac 65 Vdc	GCB01	66.00	
0.5	6.6		GCB05		
0.8	2.55		GCB08		
1.0	1.97		GCB10		
1.2	1.22		GCB12		
1.5	0.86		GCB15		
2.0	0.49		GCB20		72.00
2.5	0.31		GCB25		
3.0	0.20		GCB30		
4.0	0.10		GCB40		
5.0	0.08	GCB50			
7.0	0.03	GCB70			
10.0	<0.02	125 Vac	GCB100		
15.0	<0.02	65 Vdc	GCB150		

- ▲ These maximum current values assume the use of insulated copper conductors with 75°C temperature rating, and are calculated based on NEC Article 310, Table 310-16. In most cases this value is the maximum ampacity of that wire or combination of wires (as listed in the above table) which has the greatest current carrying capacity. The actual allowable current for a particular application depends on the number, size, insulation class, and other characteristics of the wires used.
- Discount schedule CP5.

Selection

To properly select a Class 9080 Type GCB circuit protector, follow these steps:

1. Determine the inrush correction factor from Table 24.41.
2. Determine the temperature correction factor from Table 24.42.
3. Determine the sealed current of the load that is being protected.
4. Multiply the sealed current by the two correction factors and choose the closest circuit protector.

Note: Choosing a circuit protector with a value lower than the calculated value might cause nuisance tripping, while choosing the larger might provide a protector that will not properly protect the load.

File CCN E152841 QVNU2 (UL1077)

File Class 025490 3211 07



Example: Solenoid with sealed current of 0.75 A, an inrush ratio of 1:6, and in an ambient temperature of 85°F: $0.75 \times 1.5 \times 1.05 = 1.18$ Choose the 1.2 A protector

Tripping Time: Tripping time of the circuit protector is determined from Table 24.43. Divide the circuit protector value by the temperature correction factor from Table 24.42 to determine actual rated current referenced in Table 24.43.

Table 24.41: Table A—Inrush Ratio Correction Table

Note: For resistive loads, use inrush correction factor of 1.0.

Inrush Ratio	1:1 to 1:4	1:5	1:6	1:7	1:8
Factor	1.3	1.4	1.5	1.6	1.7

Table 24.42: Table B—Ambient Temperature Correction Table

Ambient Temperature	70°F	100°F	120°F	140°F	160°F	180°F	200°F
	(21.1°C)	(37.8°C)	(48.9°C)	(60°C)	(71.1°C)	(82.2°C)	(93.3°C)
Factor	1.0	1.1	1.2	1.3	1.4	1.5	1.6

Table 24.43: Table C—Tripping Times in Seconds at 70°F (21.1°C)

Percent rated current	100%	200%	300%	400%	500%	600%	1000%	2000% and greater
Tripping Time (s)	no trip	10–40	38	1.5–9	0.8–6	0.003–4	0.003–2	Max. 0.02

Note: When several protectors are channel mounted adjacent to each other, the "no trip" current will be 80% of rated current at 70°F.

CP5 Discount Schedule



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Thermal-Magnetic Circuit Protectors

Type GB2

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Table 24.44: GB2 Thermal-Magnetic Circuit Protectors



GB2CB06



GB2CD

Description	Maximum Voltage	Thermal Rating	Catalog Number	\$ Price ea. *	Description	Maximum Voltage	Thermal Rating	Catalog Number	\$ Price ea. *
One pole Thermal Magnetic Circuit Protector 	300 Vac	0.5 A	GB2CB05	43.60	Two pole Thermal Magnetic Circuit Protector 	300 Vac	0.5 A	GB2CD05	52.00
		1 A	GB2CB06				1 A	GB2CD06	
		2 A	GB2CB07				2 A	GB2CD07	
		3 A	GB2CB08				3 A	GB2CD08	
		4 A	GB2CB09				4 A	GB2CD09	
		5 A	GB2CB10				5 A	GB2CD10	
		6 A	GB2CB12				6 A	GB2CD12	
		8 A	GB2CB14				8 A	GB2CD14	
		10 A	GB2CB16				10 A	GB2CD16	
		12 A	GB2CB20				12 A	GB2CD20	

◆ Discount schedule I.

★ Must order in multiples of 6

Note: For markers, use AB1()R and AB1()G markers from page 24-16

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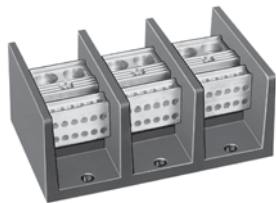


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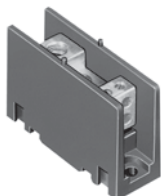
I Discount Schedule

Table 24.45: Standard Power Distribution Blocks

Lug Wire Range ▲		Aluminum ■					
Main	Branch	One Pole		Two Pole		Three Pole	
		Type	\$ Price	Type	\$ Price	Type	\$ Price
(1) #14-2/0	(1) #14-2/0	LBA162101	10.40	LBA262101	22.10	LBA362101	25.70
(1) #6-350 kcmil	(1) #6-350 kcmil	LBA163101	53.00	LBA263101	81.00	LBA363101	107.00
(1) #4-600 kcmil	(1) #4-600 kcmil	LBA164101	95.00	N/A	—	LBA364101	183.00
(2) #4-350 kcmil	(2) #4-350 kcmil	LBA165202	98.00	LBA265202	147.00	LBA365202	189.00
(2) #6-500 kcmil	(2) #4-500 kcmil	LBA1652021	135.00	LBA2652021	206.00	LBA3652021	243.00
(1) #14-2/0	(4) #14-4	LBA162104	30.50	LBA262104	45.80	LBA362104	68.00
(1) #14-2/0	(6) #14-4	N/A	—	N/A	—	LBA362106	131.00
(1) #6-400 kcmil	(4) #14-2	LBA163104	56.00	LBA263104	84.00	LBA363104	113.00
(1) #6-400 kcmil	(6) #14-2	LBA163106	59.00	LBA263106	89.00	LBA363106	122.00
(1) #6-400 kcmil	(8) #14-2	LBA164108	77.00	LBA264108	116.00	LBA364108	161.00
(1) #4-500 kcmil	(6) #14-2/0	LBA165106	126.00	LBA265106	189.00	LBA365106	233.00
(1) #4-500 kcmil	(12) #14-2	LBA165112	134.00	LBA265112	201.00	LBA365112	261.00
(2) #14-2/0	(6) #14-4	LBA163206	60.00	LBA263206	90.00	LBA363206	122.00
(2) #6-500 kcmil	(8) #14-2/0	LBA165208	126.00	LBA265208	189.00	LBA365208	251.00
(2) #6-500 kcmil	(12) #14-4	LBA165212	135.00	LBA265212	206.00	LBA365212	261.00



LBA365212



LBA161104

Table 24.46: Miniature Power Distribution Blocks

Lug Wire Range ▲		Aluminum ■					
Main	Branch	One Pole		Two Pole		Three Pole	
		Type	\$ Price	Type	\$ Price	Type	\$ Price
(1) #14-2	(1) #14-2	LBA161101	13.40	N/A	—	LBA361101	23.40
(1) #14-2	(4) #18-10	LBA161104	26.40	LBA261104	30.60	LBA361104	58.00

Table 24.47: Copper Power Distribution Blocks

Lug Wire Range ▲		Copper ◆					
Main	Branch	One Pole		Two Pole		Three Pole	
		Type	\$ Price	Type	\$ Price	Type	\$ Price
(1) #18-1/0	(1) #18-1/0	LBC162101	99.00	N/A	—	LBC362101	201.00
(1) #6-250 kcmil	(1) #6-250 kcmil	LBC163101	125.00	N/A	—	LBC363101	233.00
(1) #14-2/0	(4) #14-4	LBC162104	99.00	LBC262104	147.00	LBC362104	248.00
(1) #4-500 kcmil	(6) #14-2	LBC163106	153.00	LBC263106	228.00	LBC363106	354.00
(2) #14-2/0	(6) #14-4	LBC163206	134.00	LBC263206	201.00	LBC363206	269.00
(2) #4-500 kcmil	(8) #14-2/0	LBC165208	297.00	N/A	—	LBC365208	593.00
(2) #6-500 kcmil	(12) #14-2	LBC165212	284.00	N/A	—	LBC365212	567.00



LBC165212

- ▲ Lugs suitable for use with 75°C conductors. (#) indicates number of conductors.
- Aluminum blocks will accept either Al or Cu conductors.
- ◆ Cu blocks will accept copper conductors only.

Refer to catalog for dimensions.

Certifications



File Guide E60616 XCFR2



File Class 70361 6228-01

RoHS Compliant



Marked

Table 24.48: Clear Plastic Covers (0.045 in. thick)

Note: There are no covers for miniature blocks.

For LBA Type	Type	\$ Price ea. *	Dim. A	Dim. B
LBA162..., LBC162	LB21	11.30	1.062	2.750
LBA262..., LBC262	LB22	13.50	1.875	2.750
LBA362..., LBC362 ▼	LB23	15.80	2.688	2.750
LBA163..., LBC163	LB31	12.50	1.782	3.813
LBA263..., LBC263	LB32	14.70	3.313	3.813
LBA363..., LBC363	LB33	17.00	4.844	3.813
LBA164...	LB41	13.50	2.125	4.563
LBA264...	LB42	15.80	4.000	4.563
LBA364...	LB43	18.00	5.875	4.563
LBA165..., LBC165	LB51	14.70	2.719	5.313
LBA265..., LBC265	LB52	17.00	5.656	5.313
LBA365..., LBC365	LB53	19.20	8.375	5.313

- * These covers must be ordered in multiples of 5. Each cover comes with two self-tapping screws.
- ▼ Will not work on a 9080LBA362106 block.

Application Data

Voltage Rating—Class B & C—600 V
Blocks are rated based on NEC Table 310-16 using 75°C wire.
Aluminum blocks are tin plated high conductive aluminum.
Copper blocks are tin plated high conductive copper.

Housing material:

- Miniature Blocks are made from high impact thermoplastic rated at 125°C. max. & -40°C. min.
- Full Size Blocks are made from general purpose phenolic rated at 150°C. max. & -40°C. min.

All blocks have a flammability rating of UL 94V-0.

Most blocks have a short circuit current rating for UL508A up to 200 kA for branch circuit applications. For the actual ratings, see catalog 9080CT9603R9/08.

Table 24.49: 250 V—Classes H and R

Rating (A) Δ	No. of Poles	Class H		Class R \star		Lug Wire Range
		Type	\$ Price	Type	\$ Price	
30 \blacktriangle	1	FB1211	12.90	FB1211R	19.20	#14–10 Cu
	2	FB2211	21.90	FB2211R	28.40	
	3	FB3211	31.10	FB3211R	37.20	
60 \blacktriangle	1	FB2221	39.20	FB2221R	45.80	#14–2 Cu or Al
	2	FB2221	39.20	FB2221R	45.80	
	3	FB3221	55.00	FB3221R	61.00	

Table 24.50: 600 V—Classes H and R

Rating (A) Δ	No. of Poles	Class H		Class R \star		Lug Wire Range
		Type	\$ Price	Type	\$ Price	
30 \blacksquare	1	FB1611	24.30	FB1611R	30.60	#14–10 Cu
	2	FB2611	42.60	FB2611R	48.50	
	3	FB3611	54.00	FB3611R	60.00	
60 \blacksquare	1	FB2621	51.00	FB1621R ∇	37.20	#14–2 Cu or Al
	2	FB2621	51.00	FB3621R	78.00	
	3	FB3621	54.00	FB3621R	78.00	
100 \blacksquare	3	FB3631	147.00	FB3631R	158.00	#6–2/0 Cu or Al

Table 24.51: 600 V Series—Miniature Fuse Dimension (13/32 x 1-1/2 in.)

Rating (A) Δ	No. of Poles	Type M		Class CC \star		Lug Wire Range
		Type	\$ Price	Type	\$ Price	
30 \blacktriangle	1	FB1611M	13.50	FB1611CC	13.50	#14–10 Cu
	2	FB2611M	19.80	FB2611CC	22.10	
	3	FB3611M	24.30	FB3611CC	24.80	

Application Information:

Base material:

- \blacktriangle Base is high impact thermoplastic—maximum operating temperature 125°C
- \blacksquare Base is general purpose phenolic—maximum operating temperature 150°C
- \blacklozenge Base is high impact polyester—maximum operating temperature 130°C

Clip material:

- All 30 and 60 A fuse clips are copper alloy tin plated.
- All 100 and 200 A fuse clips are one piece aluminum with copper spring tin plated.
- All Class H, R and J fuses are standard with reinforced fuse clips.

Lug termination:

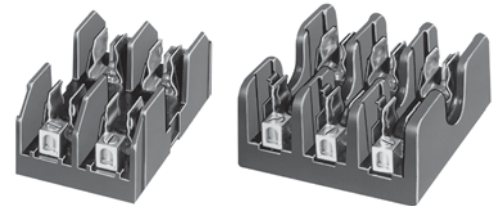
- All 30 A blocks have pressure wire connectors.
- All 60, 100 and 200 A blocks have box lug connectors.

Approvals:

- The Type M fuseholders are UL component recognized (File E40747 CCN IZLT2).
- The Type H, R, J and CC are UL Listed (File E40747 CCN IZLT).
- All fuseholders are CSA certified (File 70360 Class 6225-01).

Flammability rating of all FB fuse blocks is UL 94V-0.

RoHS Compliant



FB2221

FB3221R

Table 24.52: 600 V—Class H Only (Copper Only)

Rating (A) Δ	No. of Poles	Class H		Lug Wire Range
		Type	\$ Price	
30 \blacksquare	1	FB1611	24.30	#14–10 Cu
	2	FB2611	42.60	
	3	FB3611	54.00	
100 \blacksquare	3	FB3631C	158.00	#6–2/0 Cu

Table 24.53: 600 V—Class J

Rating (A) Δ	No. of Poles	Class J		Lug Wire Range
		Type	\$ Price	
30 \blacksquare	2	FB2611J	45.50	#2–14 AWG Cu—Al
	3	FB3611J	63.00	
	60 \blacksquare	2	FB2621J ∇	
	3	FB3621J	75.00	#2–14 Cu—Al

Table 24.54: Track Adapter


Description	Type	\$ Price ea.	Std. Pack \diamond
 35 mm DIN 3 Track Adapter For 9080 FB*211, FB*211R, FB*611M, and FB*611CC Fuseholders	FBDIN3 ∇	4.10	100

Table 24.55: Fuse Sizes—(Diameter x Length)

A	Class of Fuse			
	Class H/R—300 V	Class H/R—600 V	Class M/CC—600 V	Class J—600 V
30	9/16 x 2 in.	13/16 x 5 in.	13/32 x 1-1/2 in.	13/16 x 2-1/4 in.
60	13/16 x 3 in.	1-1/16 x 5-1/2 in.	N/A	1-1/16 x 2-3/8 in.
100	1 x 7-7/8 in.	1 x 7-7/8 in.	N/A	N/A
200	1-1/2 x 7-1/8 in.	1-3/4 x 9-5/8 in.	N/A	N/A

- \star Class R and CC fuseholders accept current limiting Class R & CC fuses only.
- ∇ Not in stock. Order point—Raleigh, NC.
- Δ Specified wire ranges are based on 75°C wire. Wires with temperature ratings other than 75°C are approved while observing NEC Article 310 wire tables for allowable ampacities of insulated conductors.
- Class R, J and CC fuse blocks are tested and approved for 200,000 AIC in accordance with UL 512.
- \square Can be mounted directly to a panel or on 35 mm DIN 3 track.
- \diamond Orders must specify the standard package quantity or multiples of that quantity.

Table 24.56: How to Order

To Order Specify	Catalog Number
• Class Number	9080
• Type Number	FB1211

Conform to NF C 63-023 Standard
Mark and terminate wires simultaneously Strip the wire, insert it into the cable end and crimp it.
Up to 7 markers can be used.

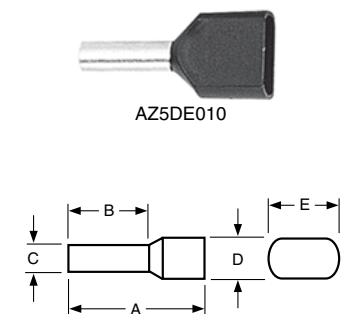
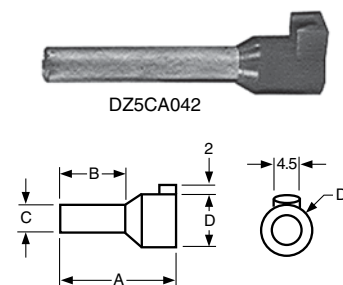
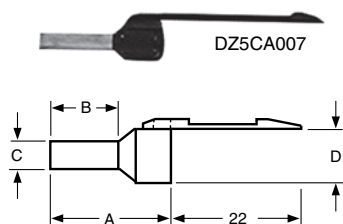
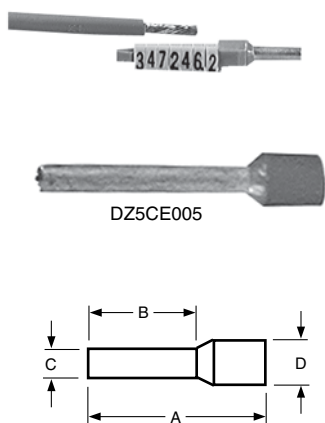


Table 24.57: Without Marking Flag

Wire Size		Sleeve color	Dimensions (mm)				Catalog Number	\$ Price ea.	Std. Pack
AWG	mm ²		A	B	C	D			
26	0.25	Yellow	11	6.2	1.2	2.2	DZ5CE002L6	0.16	1000
			13	8.2			DZ5CE002		
24	0.34	Green	11	6.2	1.2	2.2	DZ5CE003L6	0.16	
			13	8.2			DZ5CE003		
22	0.50	White	11	6.2	1.4	3	DZ5CE005L6	0.18	
			13	8.2			DZ5CE005	0.26	
			16.8	12			DZ5CE005L12	0.26	
20	0.75	Blue	11	6.2	1.6	3.1	DZ5CE007L6	0.18	
			13	8.2			DZ5CE007		
18	1.00	Red	11.5	6.2	1.8	3.4	DZ5CE010L6	0.28	
			13.5	8.2			DZ5CE010		
			16.8	12			DZ5CE010L12		
16	1.50	Black	11.5	6.2	2.1	4	DZ5CE015L6	0.22	
			13.5	8.2			DZ5CE015		
			22.8	17.7			DZ5CE0153		
14	2.00	Yellow	14.5	8.2	2.35	4.2	DZ5CE020	0.24	
			24	17.7			DZ5CE025		
14	2.50	Gray	14.5	8.2	2.7	4.6	DZ5CE025	0.44	
			24	17.7			DZ5CE0253		
12	4.00	Orange	17.3	9.8	3.3	5.5	DZ5CE042	0.42	
			25.5	17.5			DZ5CE043		
10	6.00	Green	20	11.5	3.95	7	DZ5CE062	0.48	
			26	17.5			DZ5CE063		

Table 24.58: With Marking Flag

26	0.25	Yellow	13	8.2	1.2	2.2	DZ5CA002	0.26	1000
24	0.34	Green			DZ5CA003				
22	0.50	White	13.5	1.4	3	DZ5CA005	0.32		
20	0.75	Blue				DZ5CA007			
18	1.00	Red	14.5	1.8	3.4	DZ5CA010	0.32		
16	1.50	Black				DZ5CA015			
14	2.50	Gray	14.5	2.7	4.6	DZ5CA025	0.44		

Table 24.59: Marking Flag Optional

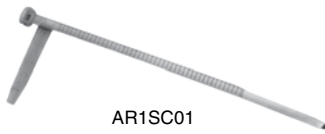
12	4.00	Orange	19.5	11.5	3.3	5.5	DZ5CA042	0.38	1000	
			25.5	17.5	3.3	5.5	DZ5CA043	0.46		
10	6.00	Green	20	11.5	3.95	7	DZ5CA062	0.62		
			26	17.5	3.95	7	DZ5CA063	0.64		
8	10.00	Brown	21.5	12	4.95	8.4	DZ5CA102	0.72		100
			27	17.5	4.95	8.4	DZ5CA103	0.78		
6	16.00	White	23.5	12	6.35	9.8	DZ5CA162	0.86		
			29	17.5	6.35	9.8	DZ5CA163	0.96		
4	25.00	Black	30	17.5	8.15	12	DZ5CA253	1.10		
2	35.00	Red	30	16	9	13.5	DZ5CA352	1.30		20
			39	25	9	13.5	DZ5CA353	1.50		
0	50.00	Blue	36	20	11	15.7	DZ5CA502	1.50		
			41	25	11	15.7	DZ5CA503	1.70		

Table 24.60: Dual Wire Cable Ends

			A	B	C	D	E			
22	0.50	White	13	8	1.4	2.5	4.7	AZ5DE005	0.24	500
					1.6	2.8	5.0	AZ5DE007		
18	1.00	Red	13.5	8	1.8	3.4	5.4	AZ5DE010	0.26	
16	1.50	Black			2.1	3.6	6.6	AZ5DE015		
14	2.50	Gray	24	10	2.7	4.2	7.8	AZ5DE025	0.32	250

- ▲ **Bold faced** catalog numbers are stocked in the United States.
- These catalog numbers are UL Component Recognized (File E164872 CCN ZMMT2) provided the AT1PA crimping tool is used to crimp the cable end.
- ◆ CE Marked.
- ★ Order must specify the standard pack quantities or multiples of that quantity.
- ▼ Will accept an AR1SC03 cable marker from page 24-22.

RoHS Compliant



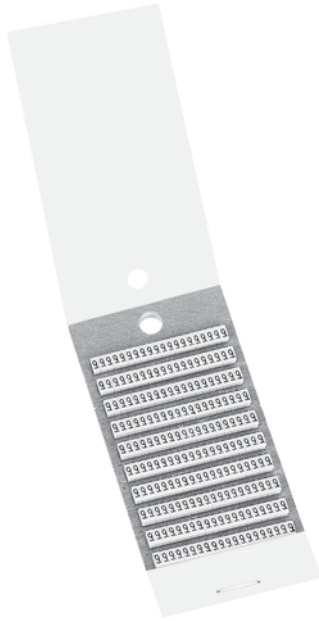
AR1SC01



AR1SC02



AR1SC03



AR1MA019

Table 24.61: Cable End Markers & Accessories

Style	Catalog Number	\$ Price ea.	Std. Pack ▲
Adjustable collar type marker holder for #14 to #2 wire	AR1SC01	0.42	100
Clip-on marker holder for #18 to #16 wire (7 markers max.)	AR1SC02	0.42	
Cable end marker tags for DZ5CA042 to DZ5CA253	AR1SC03	0.12	
Card of 200 yellow markers with black numeral 0 thru 9	AR1MA01	136.00	1
Card of 200 yellow markers with black letters A thru Z	AR1MB01	300.00	
Card of 200 black markers with a white 0 marked on them	AR1MC010	13.60	
Card of 200 brown markers with a white 1 marked on them	AR1MC011	13.60	
Card of 200 red markers with a black 2 marked on them	AR1MC012	13.60	
Card of 200 orange markers with a black 3 marked on them	AR1MC013	13.60	
Card of 200 yellow markers with a black 4 marked on them	AR1MC014	13.60	
Card of 200 green markers with a black 5 marked on them	AR1MC015	13.60	
Card of 200 blue markers with a black 6 marked on them	AR1MC016	13.60	
Card of 200 violet markers with a black 7 marked on them	AR1MC017	13.60	
Card of 200 gray markers with a black 8 marked on them	AR1MC018	13.60	
Card of 200 white markers with a black 9 marked on them	AR1MC019	13.60	
Card of 200 blank yellow markers	AR1MA0196	12.20	
Card of 200 blank green markers	AR1MA0197	12.20	
Card of 200 yellow markers with a black + marked on them	AR1MA0198	12.20	
Card of 200 yellow markers with a black —marked on them	AR1MA0199	12.20	
Complete set of numeral markers 0 thru 9, plus one card each of the "+", "-", yellow blanks, and green blanks/one AT1PA1 positioning tool. Each kit has 200 of each item.	AR1MA01	136.00	
Complete set of letter markers A thru Z, plus one card each of the "+", "-", yellow blanks, and green blanks/one AT1PA1 positioning tool. Each kit has 200 of each item.	AR1MB01	300.00	

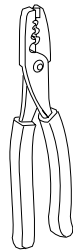
Table 24.62: Cable End Tools

Description	Catalog Number	\$ Price
Cable end marker positioning tool	AT1PA1	30.20
Automatic stripping and cutting tool for 0.8 mm to 4 mm cable, adjustable stripping length	AT1PA7	506.00
Crimping tool for cable ends 0.5 mm ² to 16 mm ²	AT1PA2	246.00
Crimping tool for cable ends 10 mm ² to 35 mm ²	AT1PA4	268.00
Organizing case for cable ends—holds stripping tool and cable ends (not supplied)	AT1HB2	116.00

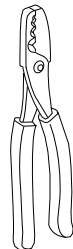
- ▲ Order must specify the standard pack quantities or multiples of that quantity.
- Complete the catalog number by adding the number or letter desired.
Examples: AR1 MA015 is a card of 200 yellow markers with a black 5 marked on them.
R1 MB01T is a card of 200 yellow markers with a black T marked on them.



AT1PA1



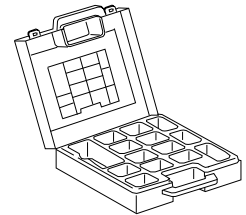
AT1PA2



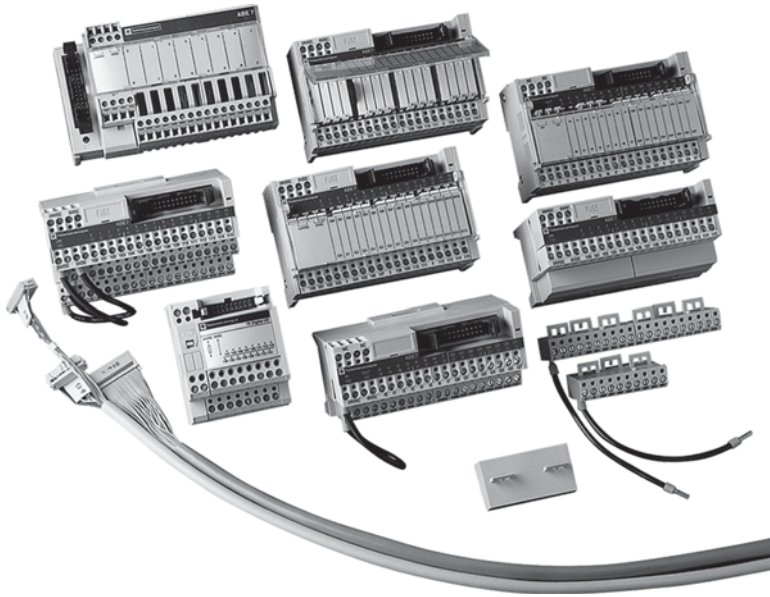
AT1PA4



AT1PA7



AT1HB2

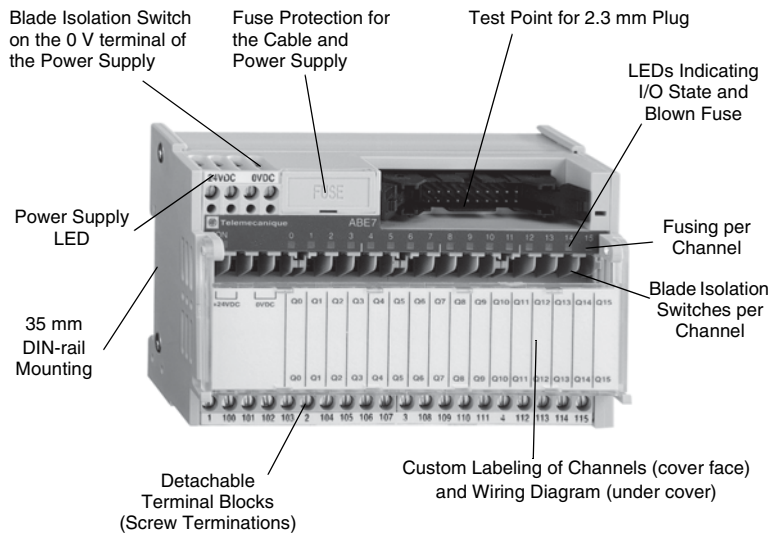


The TELEFAST 2 system is a set of products for the rapid connection of I/O modules (24 Vdc discrete, analog and counters) to Various control circuit components. These components act as a substitute for screw terminal blocks, remotely locating and partly eliminating the single wire connections. The system connects only to channels with HE10 and SUB-D connectors, or to standard terminal blocks with a cabled connector.

Variations within the listing of modules include those with and without relays (electromechanical and solid state), analog and counter modules, and special function modules. Pre-wired cables available allow you to connect directly to:

- Schneider Electric (Modicon™ family)
 - TSX Premium™
 - TSX Micro
 - TSX Series 7
 - Twido
 - Quantum™
 - Compact
 - April S5000/7000
 - NUM1020/1060
- Siemens
 - S7 – 200/300/400
 - S5 – 95U to 155U
- Allen-Bradley
 - SLC500

Advantys TELEFAST 2 Product Features



In addition, other accessories include:

- I/O simulators
- Continuity blocks
- Label marking software
- Splitter bases (16, 23, and 32 channels)
- Mounting kits
- Detachable terminal strips
- Wiring pass-through connectors
- Fuses

NOTE: Not all features available on all modules.